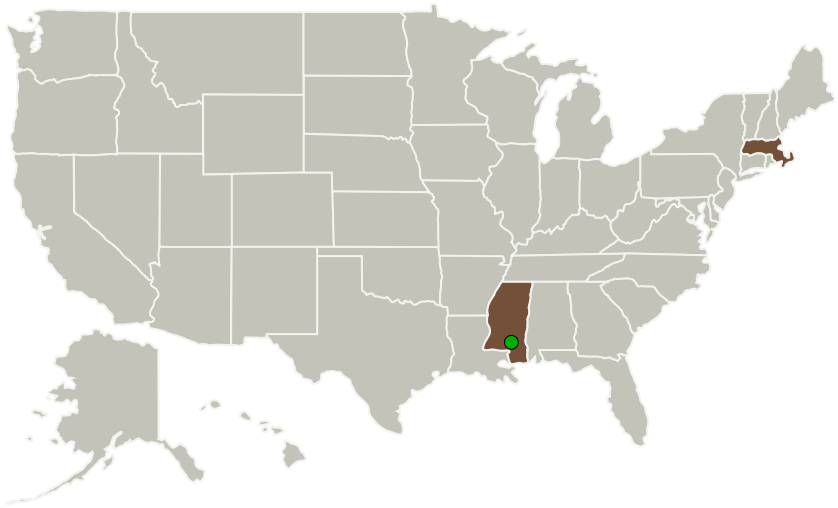
Water Properties Sensor, Phase I

Completed Technology Project (2010 - 2010)

Project Introduction

In this Phase I project, Kaitech proposes to design a Water Properties Sensor (WPS) sensing system to synchronously measure the spectral inherent and apparent optical properties and the physical properties of oceanic, coastal, and fresh water. This single instrument will provide oceanographers with a small, easy to deploy, affordable, and adaptable integrated sensing system to collect and measure geospatial information of the in situ water's fundamental marine processes.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
Kaitech, Inc.	Lead Organization	Industry	Marshfield, Massachusetts
Stennis Space Center(SSC)	Supporting Organization	NASA Center	Stennis Space Center, Mississippi

Primary U.S. Work Locations	
Massachusetts	Mississippi

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Project Transitions

January 2010: Project Start

July 2010: Closed out

Closeout Documentation:

- Final Summary Chart*(https://techport.nasa.gov/file/140008)*

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Organization:

Kaitech, Inc.

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

Richard E Cox

Co-Investigator:

Richard D Cox

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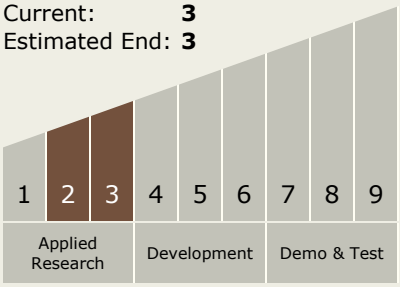
Technology Maturity (TRL)

Start: **2**
Current: **3**
Estimated End: **3**



Technology Areas

Primary:

- TX08 Sensors and Instruments
  - TX08.3 In-Situ Instruments and Sensors
    - TX08.3.4 Environment Sensors

Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System